

CSE535: Distributed Systems

Project: DiemTwins Phase 4

Team Name: ARPANET

- **DistAlgo Installation**

Follow <https://github.com/DistAlgo/distalgo/> to see the steps to install DistAlgo in the system.

- **Known system-specific issues**

For macOS, If the message size exceeds the threshold specified by the system for UDP, the system will throw an error “*OSError(40, 'Message too long')*”. Execute the command: “*sudo sysctl -w net.inet.udp.maxdgram=65535*” to increase the limit.

Ledger File:

For each run of test executor, from file at index i and executing the test case at index j , each validator with index v creates its own ledger file under ‘*ledgers/config{i}_{j}/validator_{v}.ledger*’

Log File:

For each run of test executor, from file at index i and executing the test case at index j , each validator with index v creates its own ledger file under *logs/config{i}_{j}/validator_{v}.log*

Running twins

- `cd <path_of_project_folder>/src`
- Either run a test generator or place the required test case files for test executor in the testcases directory.
- Command to run test generator: `python3 test_generator.py`.
- Check test generator logs: `<path_of_project>/logs/`
- Run test executor: `python3 -m da -f -F output --message-buffer-size 65535 test_executor.da`